

# Machine Learning: In-class Competition Awards

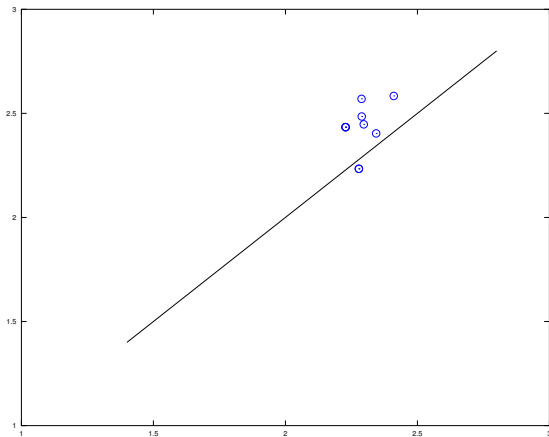
Hsuan-Tien Lin

Dept. of CSIE, NTU

01/10/2011

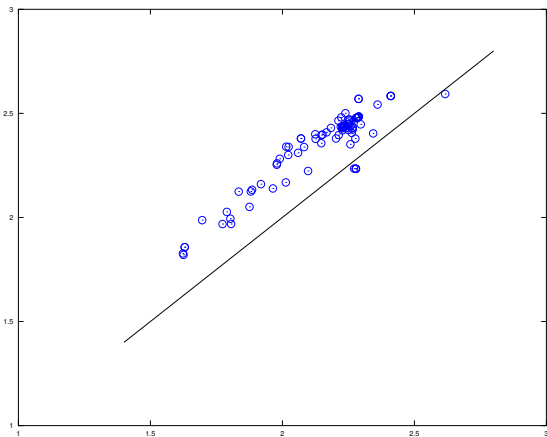
# How Much Overfitting Can We Get?

6306 submissions from 38 teams within about one month.....  
first 10:



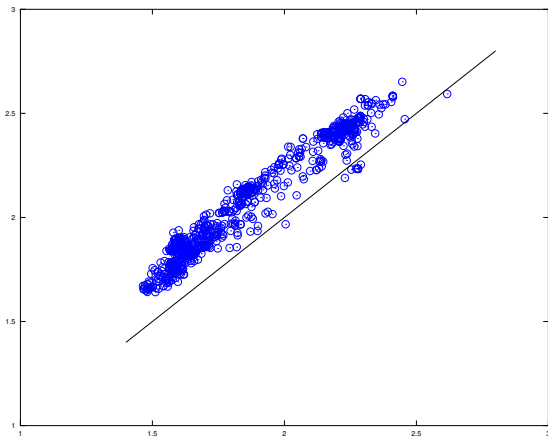
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first 100:



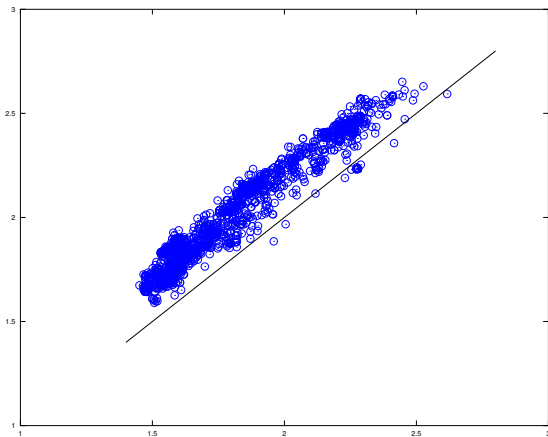
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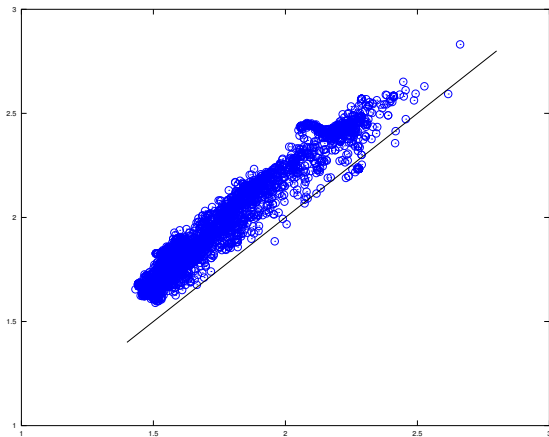
# How Much Overfitting Can We Get?

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first 2000:



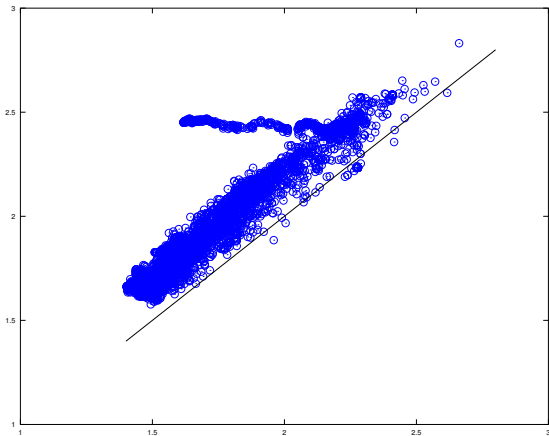
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# How Much Overfitting Can We Get?

6306 submissions from 38 teams within about one month.....  
all:



# Award 1: First Submission Award

team	algorithm	public error	private error	time
CircleTinTin	SVM	2.3438	2.4038	2010-12-07 17:00:11



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## Award 2: Last Submission Award

team	algorithm	public error	private error	time
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## Award 3: First Overtime Submission Award

team	algorithm	public error	private error	time
PurpleCat		2.2244	2.4182	2011-01-09 12:00:05

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## Award 4: Happy 2011 Award

team	algorithm	public error	private error	time
cataclysm	123	2.1186	2.2402	2011-01-01 01:18:47

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## Award 5: Goodbye 2010 Award

team	algorithm	public error	private error	time
Fight_A_Wave	PCA + RotationForest	2.0868	2.3100	2010-12-31 23:05:31



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## Award 6-8: Hard Working Awards

team	submission count
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Maya Haoyang	654
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# Award 9-12: Best First-Time Public Track Submission Awards

(Later Changed to Lucky Wrong SQL Awards)

team	algorithm	public error	private error	time
Supponpon	adaboost	1.4876	1.6938	2010-12-14 16:35:53
CircleTinTin	Adaboost	1.4772	1.6432	2010-12-07 17:00:11
Here's the deal		1.4660	1.6490	2010-12-23 22:12:43
goooooooood		1.4302	1.6658	2010-12-27 08:48:28

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## Award 13-17: Public Track Mean Winner Awards

team	mean public error	mean private error	count
Here's the deal	1.56787114746486	1.78735494566529	253
I_Love_ML	1.56715268914987	1.79585639422085	837
Bakerman	1.56549996137619	1.70280003547668	4
W	1.55826320123672	1.74010320472717	250
CircleTinTin	1.53869760931555	1.71630512244059	293

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Here's the deal	1.56787114746486	1.78735494566529	253
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W	1.55826320123672	1.74010320472717	250
CircleTinTin	1.53869760931555	1.71630512244059	293

## Award 18-22: Public Track Efficiency Awards

$$\text{efficiency} = \min(\text{public error} + 0.8/6000 * 20 * \text{count})$$

team	algorithm	public error	count	efficiency
Bakerman	tree	1.5622	2	1.5675333333
2037	Boost	1.5112	20	1.5645333333
W	boost	1.4712	34	1.5618666667
PowerOfUML	boost stump	1.4442	41	1.5535333333
Supponpon	vote	1.4790	11	1.5083333333

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team	algorithm	public error	count	efficiency
Bakerman	tree	1.5622	2	1.5675333333
2037	Boost	1.5112	20	1.5645333333
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PowerOfUML	boost stump	1.4442	41	1.5535333333
Supponpon	vote	1.4790	11	1.5083333333

## Award 23-25: Public Track Winner Awards

team	algorithm	public error	private error	time
CircleTinTin	Adaboost	1.4230	1.6432	2011-01-08 15:42:17
HTLIN (Have To Learn In NTU)		1.4048	1.8856	2011-01-09 00:24:03
Here's the deal		1.4026	1.6490	2011-01-06 15:36:57

## Award 23-25: Public Track Winner Awards

team	algorithm	public error	private error	time
CircleTinTin	Adaboost	1.4230	1.6432	2011-01-08 15:42:17
HTLIN (Have To Learn In NTU)		1.4048	1.8856	2011-01-09 00:24:03
Here's the deal		1.4026	1.6490	2011-01-06 15:36:57



## Award 26-30: Best Fitting Awards

team	algorithm	public error	private error	difference
Men's Leg- end(ML)	fil10sf0c3g-3 171	2.0728	2.0678	0.005
goooooooood		1.9216	1.9258	0.004
Two Teeth	knn	1.9900	1.9932	0.003
cataclysm	adaboost	2.1178	2.1148	0.003
Average	NaiveBayes scaled_ze	2.4176	2.4146	0.003

## Award 26-30: Best Fitting Awards

team	algorithm	public error	private error	difference
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goooooooood		1.9216	1.9258	0.004
Two Teeth	knn	1.9900	1.9932	0.003
cataclysm	adaboost	2.1178	2.1148	0.003
Average	NaiveBayes scaled_ze	2.4176	2.4146	0.003

# Award 31-33: Private Track Winner Awards

team	algorithm	public error	private error	time
Average	ada- as10000- t3000	1.5086	1.5988	2011-01-08 19:59:34
CircleTinTin	Adaboost	1.5074	1.5900	2011-01-05 10:22:17
integr44itywei	cross valida- tion	1.4938	1.5770	2011-01-08 23:30:57

## Award 31-33: Private Track Winner Awards

team	algorithm	public error	private error	time
Average	ada- as10000- t3000	1.5086	1.5988	2011-01-08 19:59:34
CircleTinTin	Adaboost	1.5074	1.5900	2011-01-05 10:22:17
integr44itywei	cross valida- tion	1.4938	1.5770	2011-01-08 23:30:57

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